

NEWTON COUNTY WELLS

MISSOURI

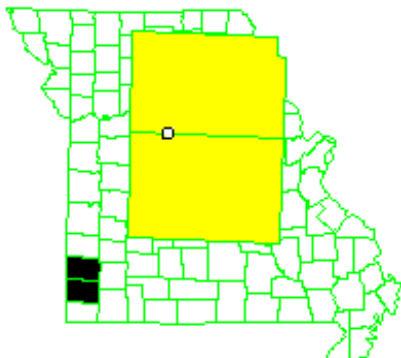
EPA ID# MOD985798339

EPA Region 7

City: Joplin

County: Jasper

Other Names:



SITE DESCRIPTION

The Newton County Wells site is located in Newton County, Missouri, in southwest Missouri. The site was initially identified in 1991 following a sampling event at the International Paper (IP) State Registry site by the Missouri Department of Health (MDOH). MDOH sampled the closest wells downgradient of the IP site, all located approximately one mile south of IP in the Village of Silver Creek. Trichloroethene (TCE) and cis-1,2-dichloroethylene (cis-1,2-DCE), which are not associated with the wood treatment wastes at the IP site, were detected in two of the residential wells, both located on Moorhead Drive, directly south of the FAG Bearings property in the Village of Silver Creek. TCE and cis-1,2-DCE were detected at concentrations exceeding the Maximum Contaminant Level (MCL) established by EPA. Based on the detection of elevated concentrations of TCE in one of the original wells, nine other residential wells along Moorhead Drive were sampled to confirm the presence of TCE in the ground water. Results of the initial well sampling indicated that homes located along FAG Bearings' southern property had the highest incidence and concentrations of TCE in Silver Creek Village. EPA and the Missouri Department of Natural Resources (MDNR) were notified and conducted follow-up sampling and analysis. Ground water was the sole source of drinking water for the people in Silver Creek, Missouri.

Site Responsibility:

The site is being addressed through Federal and State actions.

NPL LISTING HISTORY

Proposed Date: 01/19/99

Final Date:

THREATS AND CONTAMINANTS

Description: Several investigations were conducted at the site, including a Preliminary Assessment, Site Inspections with several sampling events, a Removal Action, an Expanded Site Inspection, a Phase II Remedial Investigation, and several private well sampling events. Consequently, TCE contamination has been found in several residential wells located within two miles of the FAG Bearings property, within the Village of Saginaw. In July 1992, EPA began providing bottled water to the residents of Silver Creek and Saginaw, a town within two miles with TCE in its drinking water supply. In January of 1992, construction was initiated to connect residents of Silver Creek and Saginaw to the Missouri American Water Company. There are two aquifers present in the Newton County area that are separated by a confining layer of shale: a shallow aquifer (consisting of residuum and limestone bedrock) that has been documented as a karst aquifer, and a deep aquifer (consisting of limestones, dolomites, and sandstones) that is not karst. Both of these aquifers are used for drinking water purposes by residents of Newton County. Only the shallow aquifer has been scored in the Hazard Ranking System evaluation because there is insufficient evidence to document that the two aquifers are interconnected. However, interconnection could potentially occur due to a leaking or absence of a confining layer and because of wells drilled that are open to both aquifers.



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CLEANUP APPROACH

Response Action Status

Description:

Site Facts:

ENVIRONMENTAL PROGRESS



SITE REPOSITORY



Superfund Records Center
901 N. 5th St.
Kansas City, KS 66101
Mail Stop SUPR
(913)551-4038

REGIONAL CONTACTS

SITE MANAGER:

E-MAIL ADDRESS:

Shelley Brodie
Brodie.Shelley@epa.gov
(913) 551-7706

COMMUNITY INVOLVEMENT

COORDINATOR:

PHONE NUMBER:

Hattie Thomas
(913) 551-7762

PUBLIC INFORMATION CENTER:

E-MAIL ADDRESS:

STATE CONTACT:

PHONE NUMBER:

Don Van Dyke
(573) 751-8629

MISCELLANEOUS INFORMATION

STATE:

MO
07HK

CONGRESSIONAL DISTRICT:

07

EPA ORGANIZATION:

SFD-

MODIFICATIONS